

JavaScript Syntax

Computing

Modern JavaScript essentials — declarations, functions, destructuring, modules.

ES2015 and later. Everything here works in every current browser and in Node.

Declarations

const x = 1 – cannot reassign

let y = 2 – block scoped

var – function scoped, avoid

Template: `\${a} and \${b}`

Functions

const f = (a, b) ⇒ a + b

async function g() { await p }

Default: (a = 1) ⇒ a

Rest: (...args) ⇒ args.length

Destructuring

const { a, b } = obj

const [x, y] = arr

const { a: renamed } = obj

Spread: { ...obj, c: 3 }

Modules

import x from 'mod'

import { a, b } from 'mod'

export default f

export const g = 1

Arrow functions do not bind their own `this`. That is usually what you want, and occasionally exactly what breaks.